



Docket No.: 240509US2

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313



ATTORNEYS AT LAW

RE: Application Serial No.: 10/622,695  
Applicants: Takahiro KASE, et al.  
Filing Date: July 21, 2003  
For: DIRECTIONAL GROUND RELAY SYSTEM  
Group Art Unit: 2836  
Examiner: DEMAKIS, JAMES A

SIR:

Attached hereto for filing are the following papers:

**COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE**

Our check in the amount of \$0.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

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DOCKET NO: 240509US2

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF : DATE ALLOWED: MAY 18, 2006  
TAKAHIRO KASE, ET AL. : EXAMINER: DEMAKIS, J.  
SERIAL NO: 10/622,695 :  
FILED: JULY 21, 2003 : GROUP ART UNIT: 2836  
FOR: DIRECTIONAL GROUND RELAY :  
SYSTEM

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicants acknowledge with appreciation the indication of allowability of the claimed invention. In response to the Examiner's Statement of Reason for Allowance in the Notice of Allowance of May 18, 2006, Applicants respectfully submit the following comments.

In the Examiner's Statement of Reasons for Allowance on page 2 of the Notice of Allowance mailed May 18, 2006, paragraph 2 states in part:

The above claims are allowable because the prior art of record fails to disclose, in combination with the other claim limitations; a directional ground relay configured to determine the direction of a fault in a three-phase power transmission line, using a plurality of voltage and current values from the power transmission line, in a zero-phase sequential circuit calculation unit to calculate a zero-phase sequential current based upon the current detected from the power transmission line, and a phase-comparison unit configured to compare the phase of the zero-phase sequential current to the phase of any phase voltage and determine if the zero-phase sequential current is within a predetermined range and to output the phase of the voltage in which a forward ground fault has occurred.

Application No. 10/622,695  
Reply to Notice of Allowance of May 18, 2006

Although the above comment may be accurate with respect to independent Claims 1 and 4, it is respectfully noted that independent Claims 3 and 6 do not include all of the elements recited above. Accordingly, it is respectfully submitted that the above-quoted statement applies at most to Claims 1 and 4 (and Claims 2 and 5 dependent therefrom) and not to Claims 3, 6, and 7.


Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

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Docket No.: 240509US2/tma



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Takahiro KASE, et al.

SERIAL NUMBER: 10/622,695

GROUP: 2836

FILED: July 21, 2003

EXAMINER: DEMAKIS, JAMES A

FOR: DIRECTIONAL GROUND RELAY SYSTEM

**REQUEST TO CORRECT ALLOWED CLAIMS**

MAIL STOP ISSUE FEE  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

SIR:

In the matter of the above-identified application for patent, we hereby request  
correction of your records to reflect the correct allowed claims.

The allowed claims should be: 1-7.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

A handwritten signature in cursive script that reads "Fred L. Braun".

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